Ford Motor Company

X12 Implementation Guidelines For

Inbound Standard Advance Ship Notice v002002FORD

(856i- Standard)

856 Ship Notice/Manifest

Functional Group ID=SH

Introduction:

This standard provides the standardized format and establishes the data contents of a ship notice/manifest transaction set within the context of an electronic data interchange (EDI) environment. A ship notice/manifest list the contents of a shipment of goods as well as additional information relating to the shipment, such as order information, product description, physical characteristics, type of packaging, marking, carrier information, and configuration of goods within the transportation equipment. The transaction set enables the sender to describe the contents and configuration of a shipment in various levels of detail and provides an ordered flexibility to convey information. The sender of this transaction is the organization responsible for detailing and communicating the contents of a shipment, or shipments, to one or more receivers of the transaction set. The receiver of this transaction set can be any organization having an interest in the contents of a shipment or information about the contents of a shipment.

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
M	010	ST	Transaction Set Header	M	1		
M	020	BSN	Beginning Segment for Ship Notice	M	1		
M	040	DTM	Date/Time/Period	M	10		
			LOOP ID - HL			200000	
M	050	HL	Hierarchical Level	M	1		
	060	LIN	Item Identification	O	1		
	070	SN1	Item Detail (Shipment)	O	1		
	080	SLN	Subline Item Detail	O	100		
	090	PRF	Purchase Order Reference	O	1		
	120	MEA	Measurements	O	40		
	150	TD1	Carrier Details (Quantity and Weight)	O	20		
	160	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12		
	170	TD3	Carrier Details (Equipment)	O	12		
	190	REF	Reference Numbers	O	200		
			LOOP ID - CLD			200	
	210	CLD	Load Detail	O	1		
	220	REF	Reference Numbers	O	200		
	240	DTM	Date/Time/Period	O	10		
	250	FOB	F.O.B. Related Instructions	O	1		
			LOOP ID - N1			200	
	260	N1	Name	O	1		
	350	CUR	Currency	O	1		
	360	ITA	Allowance, Charge or Service	O	10		
M	370	CTT	Transaction Totals	M	1		
M	380	SE	Transaction Set Trailer	M	1		

Segment: **ST** **Transaction Set Header**
Position: 010
Loop:
Level:
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number.
Notes: This segment is mandatory. The transaction set control number (ST02) in this header must match the transaction set control number in the transaction set trailer (SE02).
`EXAMPLE: ST~856~0001`

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**ST01**	**143**	**Transaction Set Identifier Code** Code uniquely identifying a Transaction Set 856 X12.10 Ship Notice/Manifest	**M ID 3/3**
M	**ST02**	**329**	**Transaction Set Control Number** Identifying control number assigned by the originator for a Transaction Set. Also see: Data Interchange Control Number (28.) A unique number assigned to each transaction set within a functional group. This number must match the value in SE02.	**M AN 4/9**

Segment: **BSN** **Beginning Segment for Ship Notice**
Position: 020
Loop:
Level:
Usage: Mandatory
Max Use: 1
Purpose: To transmit identifying numbers, dates, and other basic data relating to the transaction set.
Notes: To indicate the beginning of an advance ship notice transaction and to transmit an identifying number and date.
`EXAMPLE: BSN~00~11141963~020211~0750`

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**BSN01**	**353**	**Transaction Set Purpose Code** Code identifying purpose of transaction set 00 Original 01 Cancellation Not used by assembly plants. 05 Replace 08 Status Arrival. 12 Not Processed Test data.	**M ID 2/2**
M	**BSN02**	**396**	**Shipment Identification** A unique control number assigned by the original shipper to identify a specific shipment ASN number - Unique supplier assigned number that is not to be repeated within a one year period. Packing slip number should be used as the ASN number. Although the standard allows a 30 character ASN number, Ford's maximum is 11 characters.	**M AN 2/11**
M	**BSN03**	**373**	**Date** Date (YYMMDD) Date of ASN creation (YYMMDD).	**M DT 6/6**
M	**BSN04**	**337**	**Time** Time expressed in 24-hour clock time (HHMM) (Time range: 0000 though 2359). Time of ASN creation (HHMM).	**M TM 4/4**

Segment: **DTM** **Date/Time/Period**
Position: 040
Loop:
Level:
Usage: Mandatory
Max Use: 10
Purpose: To specify pertinent dates and times
Notes: An occurrence of the "DTM" segment with a code value of "011" is mandatory in the Heading area. Use a date/time qualifier (DTM01) value of "011" (shipped date/time) for shipment orders or a date/time qualifier (DTM01) value of "017" (expected delivery date/time) for the delivery orders.
`EXAMPLE: DTM~011~020211~0745`

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**DTM01**	**374**	**Date/Time Qualifier** Code specifying type of date or time, or both date and time 011 Shipped Date and time shipment leaves supplier premises - required for shipment orders. 017 Estimated Delivery Estimated date and time of arrival - required for delivery orders. Not used by assembly plants. 050 Received Actual date and time of arrival. Used only by pool/consolidation points for arrival ASNs.	**M ID 3/3**
M	**DTM02**	**373**	**Date** Date (YYMMDD)	**M DT 6/6**
M	**DTM03**	**337**	**Time** Time expressed in 24-hour clock time (HHMM) (Time range: 0000 though 2359).	**M TM 4/4**

Segment: **HL** **Hierarchical Level**
Position: 050
Loop: HL Mandatory
Level:
Usage: Mandatory
Max Use: 1
Purpose: To identify dependencies among and the content of hierarchically related groups of data segments
Notes: The HL segment is used to identify levels of detail information using hierarchical structure, such as relating line item data to shipment data and packaging data to line item data. Ford needs are satisfied by the use of the shipment and item levels. At least one occurrence of the HL at the shipment and item level is mandatory for original (BSN01 = "00") ASNs.

```
EXAMPLES:    HL~1~~S
             HL~3~1~I
```

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**HL01**	**628**	**Hierarchical ID Number** A unique number assigned by the sender to identify a particular data segment in a hierarchical structure "1" for the first HL segment and incremented by "1" in each subsequent HL segment within the transaction set.	**M AN 1/6**
	HL02	**734**	**Hierarchical Parent ID Number** Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to The ID number of the parent HL segment. Required for all HL segments at the order and item levels.	**O AN 1/6**
M	**HL03**	**735**	**Hierarchical Level Code** Code defining the characteristic of a level in a hierarchical structure I Item S Shipment	**M ID 1/2**

Segment: **LIN** **Item Identification**
Position: 060
Loop: HL Mandatory
Level:
Usage: Optional
Max Use: 1
Purpose: To specify basic item identification data
Notes: For purchased parts, there will be one "LIN" segment in each item loop. It is used for buyer's part number and part number for returnable containers. This segment is mandatory for all ASNs. Ford part numbers may consist of a prefix, base, suffix and control code. Any of these, except the base, may or may not be present. The portions of the part number are delimited by one space. When shipping returnable containers, whether empty or in use, create an item level for each returnable container part number.

```
EXAMPLES:

LIN~~BP~E6SP 7E39 AA 040 (Part number with control code)
LIN~~BP~ 7E396 AA 040    (Part number without prefix)
LIN~~BP~E6SP 7E396       (Part number with neither suffix
nor control code)
LIN~~RC~ZE21             (Returnable container part)
```

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**LIN02**	**235**	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number used in Product/Service ID (234) BP Buyer's Part Number RC Returnable Container No.	**M ID 2/2**
M	**LIN03**	**234**	**Product/Service ID** Identifying number for a product or service Ford part number in form of prefix, base, suffix and control code - delimited by a space; or Ford returnable container part number.	**M AN 1/30**

Segment: **SN1** **Item Detail (Shipment)**
Position: 070
Loop: HL Mandatory
Level:
Usage: Optional
Max Use: 1
Purpose: To specify line-item detail relative to shipment
Notes: Used to show the quantity being shipped, the unit of measure, and the cumulative year-to-date shipments. For Purchased parts, required at the item level.
`EXAMPLE: SN1~~100~PC~5000`

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**SN102**	**382**	**Number of Units Shipped** Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set. Also see: Unit of Measurement Code (355). Shows quantity shipped for part number referenced in the associated LIN segment.	**M**	**R 1/7**
M	**SN103**	**355**	**Unit or Basis for Measurement Code** Code identifying the basic unit of measurement. Use unit of measure code shown on Ford material release (830). Refer to 002002 Data Element Dictionary for acceptable code values.	**M**	**ID 2/2**
	SN104	**646**	**Quantity Shipped to Date** Number of units shipped to date For CMMS plants, the cumulative quantity shipped for this model year, including this ASN. For Assembly plants, the cumulative quantity shipped for this model year through the previous day. Not used for returnable containers.	**C**	**R 1/9**

Segment: **SLN** **Subline Item Detail**
Position: 080
Loop: HL Mandatory
Level:
Usage: Optional
Max Use: 100
Purpose: To specify the monetary value associated with the part for custom purposes.
Notes: Used for international shipments only.

```
EXAMPLE:      SLN~~~I~100~PC~23.99
```

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**SLN03**	**661**	**Configuration Code** Code indicating the relationship of the subline item to the baseline item. I Included	**M**	**ID 1/1**
M	**SLN04**	**380**	**Quantity** Numeric value of Quantity. Also see: Unit of Measurement Code (355). Use quantity from SN102.	**M**	**R 1/10**
M	**SLN05**	**355**	**Unit or Basis for Measurement Code** Code identifying the basic unit of measurement. Use Unit of Measure from SN103. Refer to 002002 Data Element Dictionary for acceptable code values.	**M**	**ID 2/2**
	SLN06	**212**	**Unit Price** Price per unit of product, service, commodity, etc. Unit price of part identified in LIN. Used for customs purposes only.	**C**	**R 1/14**

Segment: **PRF** **Purchase Order Reference**
Position: 090
Loop: HL Mandatory
Level:
Usage: Optional
Max Use: 1
Purpose: To provide reference to a specific purchase order
Notes:
```
EXAMPLES:      PRF~05141985JMM
               PRF~4401985
```

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**PRF01**	**324**	**Purchase Order Number** Identifying number for Purchase Order assigned by the orderer/purchaser	**M AN 1/10**

Segment: **MEA** **Measurements**
Position: 120
Loop: HL Mandatory
Level:
Usage: Optional
Max Use: 40
Purpose: To specify physical measurements, including dimension tolerances, weights and counts.
Notes: At shipment hierarchical level:

- Gross weight of shipment (mandatory)
- Net weight of shipment (mandatory for rail shipments)

At item hierarchical level:

- Gross piece weight (optional)
- Net piece weight (optional)

EXAMPLE: MEA~PD~G~34250~LB

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**MEA01**	**737**	**Measurement Reference ID Code** Code specifying the application of physical measurement cited. PD Physical Dimensions	**M**	**ID 2/2**
M	**MEA02**	**738**	**Measurement Qualifier** Code identifying the type of measurement. G Gross Weight N Actual Net Weight	**M**	**ID 1/3**
M	**MEA03**	**739**	**Measurement Value** The value of the measured dimension. Value referred to by MEA02.	**M**	**R 1/10**
M	**MEA04**	**355**	**Unit or Basis for Measurement Code** Code identifying the basic unit of measurement. KG Kilogram LB Pound	**M**	**ID 2/2**

Segment: **TD1** **Carrier Details (Quantity and Weight)**
Position: 150
Loop: HL Mandatory
Level:
Usage: Optional
Max Use: 20
Purpose: To specify the transportation details relative to commodity, weight, and quantity
Notes: For purchased parts use number of pallets, loose cartons, separate bins etc. If mixed loose packaging types in shipment, use a TD1 for each type.
`EXAMPLE: TD1~PLT90~2`

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**TD101**	**103**	**Packaging Code** Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material	**M ID 5/5**
M	**TD102**	**80**	**Lading Quantity** Number of units (pieces) of the lading commodity Number of packages of the type specified in TD101.	**M N0 1/7**

Segment: **TD5** **Carrier Details (Routing Sequence/Transit Time)**
Position: 160
Loop: HL Mandatory
Level:
Usage: Optional
Max Use: 12
Purpose: To specify the carrier and sequence of routing and provide transit time information
Notes: One TD5 is mandatory for each shipment. Up to three TD5 segments can be used. However, the second and third should only be used to specify additional carrier identifiers (TD503).

```
EXAMPLES:    TD5~B~02~OVLD~M
             TD5~B~02~RDWY~M
             TD5~B~02~JONS~C~~~PP~PC28A
```

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**TD501**	**133**	**Routing Sequence Code** Code describing the relationship of a carrier to a specific shipment movement B Origin/Delivery Carrier (Any Mode)	**M**	**ID 1/2**
M	**TD502**	**66**	**Identification Code Qualifier** Code designating the system/method of code structure used for Identification Code (67) 02 Standard Carrier Alpha Code (SCAC)	**M**	**ID 2/2**
M	**TD503**	**67**	**Identification Code** Code identifying a party. Carriers SCAC code.	**M**	**ID 2/4**
M	**TD504**	**91**	**Transportation Method/Type Code** Code specifying the method or type of transportation for the shipment Note: A data maintenance request to add the TD504 Mode Codes identified with an "*" is pending with ANSI X12. A Air AE Air Express C Consolidation E Expedited Truck G Piggyback* H Customer Pickup JT Just in time* LT Less Than Trailer Load (LTL) M Motor (Common Carrier) O Containerized Ocean PA Pooled Air* PC Private Carrier PG Pooled Piggyback* PP Pool to pool* PR Pooled Rail* PT Pooled Truck R Rail RR Roadrailer* S Ocean U Private Parcel Service W Inland Waterway ZZ On hand at pool	**M**	**ID 1/2**
	TD507	**309**	**Location Qualifier** Code identifying type of Location Identifier (310) used.	**C**	**ID 1/2**

		OR	Origin (Shipping Point) (Air only)		
		PP	Pool Point		
TD508	**310**	**Location Identifier** Code which identifies a specific location If air shipment - use airport code (ex. "BUF"). If shipment is from supplier to pool point - use Ford assigned code for pool point.		**C**	**AN 1/5**

Segment: **TD3** **Carrier Details (Equipment)**
Position: 170
Loop: HL Mandatory
Level:
Usage: Optional
Max Use: 12
Purpose: To specify transportation details relating to the equipment used by the carrier
Notes: The use of one TD3 segment at the shipment level is mandatory by Ford. Only one TD3 segment is used per shipment. The TD3 segment is used to specify the conveyance number.

```
EXAMPLES:      TD3~TL~~1028A
               TD3~RR~CSX~143607
```

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**TD301**	**40**	**Equipment Description Code** Code identifying type of equipment used for shipment Refer to 002002 Data Element Dictionary for acceptable code values.	**M**	**ID 2/2**
	TD302	**206**	**Equipment Initial** Prefix or alphabetic part of an equipment unit's identifying number If the TD504 indicates rail, piggyback or ocean shipment - use equipment owner's code; otherwise not used.	**C**	**AN 1/4**
M	**TD303**	**207**	**Equipment Number** Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred) Conveyance number.	**M**	**AN 1/7**

Segment: **REF** **Reference Numbers**
Position: 190
Loop: HL Mandatory
Level:
Usage: Optional
Max Use: 200
Purpose: To specify identifying numbers.
Notes: Used at the shipment level for:

Seal number - If seal number is available, specify it using this segment with a SN qualifier. Up to two seal numbers can be specified.

Packing slip number - Transmit at shipment level if only one packing slip/shipper number for an ASN.

Air bill number - Required if air shipment.

Freight bill number - If available.

Bill of lading - Required for ground, ocean, etc. transport types.

Note: The use of at least one REF segment with a qualifier of BM or AW is required.

Used at the item level for:

Lot number - Required if applicable.

Packing slip numbers - Transmit at item level if more than one packing slip/shipper number for an ASN.

Note: The use of one REF segment to provide packing slip number is required at either the shipment or item level.

Note: The REF number element (REF02) must be left justified. Do not send leading spaces or zeroes in this element.

Note: Assembly division only uses the last 6 characters of the reference number for REF segments with a REF01 qualifier of "FR", "PK", "BM", and "AW".

```
EXAMPLES:     REF~AW~07374288 (Air bill number)
              REF~BM~850514   (Bill of lading number)
```

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	**REF01**	**128**	**Reference Number Qualifier**		**M ID 2/2**
			Code qualifying the Reference Number.		
			AW	Air Waybill Number	
			BM	Bill of Lading Number	
			CO	Customer Order Number	
				Dealer Direct.	
			DO	Delivery Order Number	
			FR	Freight Bill Number	
			HC	Heat Code	
			LS	Bar-Coded Serial Number	
			LT	Lot Number	
			PK	Packing List Number	
			SN	Seal Number	

			VM Vessel Name		
M	**REF02**	**127**	**Reference Number**	**M**	**AN 1/30**

Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier. Also see Reference Number Qualifier, (128).

Note: Ford will accept up to 16 characters for air and freight bill numbers; 17 characters for Dealer Direct data, and up to 12 characters for Vessel name. For all other entries in REF02, Ford will accept up to 11 characters except in the case of assembly division as specified in the note in general information.

Segment: **CLD** **Load Detail**
Position: 210
Loop: CLD Optional
Level:
Usage: Optional
Max Use: 1
Purpose: To specify the number of material loads shipped
Notes: This segment is used by the supplier to inform Ford of the number of containers (e.g. pallets), and the quantity per container. Not used for returnable containers.
`EXAMPLE: CLD~1~300~PLT90`

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**CLD01**	**622**	**Number of Loads** Number of customer-defined loads shipped by the supplier Number of containers (skids, pallets, etc.)	**M**	**N0 1/5**
M	**CLD02**	**382**	**Number of Units Shipped** Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set. Also see: Unit of Measurement Code (355). Quantity per load (number of units per container).	**M**	**R 1/7**
M	**CLD03**	**103**	**Packaging Code** Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material	**M**	**ID 5/5**

Segment: **REF** **Reference Numbers**
Position: 220
Loop: CLD Optional
Level:
Usage: Optional
Max Use: 200
Purpose: To specify identifying numbers.
Notes: Used to show shipping label serial numbers. If container has several sub-containers of same part - show only master label serial number for container.
EXAMPLES: REF~LS~S23275
REF~LS~M874210

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**REF01**	**128**	**Reference Number Qualifier** Code qualifying the Reference Number. LS Bar-Coded Serial Number	**M ID 2/2**
M	**REF02**	**127**	**Reference Number** Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier. Also see Reference Number Qualifier, (128). Shipping label serial number.	**M AN 1/30**

Segment: **DTM** **Date/Time/Period**
Position: 240
Loop: HL Mandatory
Level:
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times
Notes: The DTM segment is used at the item level to identify original supplier ship date and time. This use of the DTM segment is for Freight consolidators (pools) only.
`EXAMPLE: DTM~011~890213~0715`

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**DTM01**	**374**	**Date/Time Qualifier** Code specifying type of date or time, or both date and time 011 Shipped Original date and time of supplier shipment.	**M**	**ID 3/3**
M	**DTM02**	**373**	**Date** Date (YYMMDD)	**M**	**DT 6/6**
M	**DTM03**	**337**	**Time** Time expressed in 24-hour clock time (HHMM) (Time range: 0000 though 2359).	**M**	**TM 4/4**

Segment: **FOB** **F.O.B. Related Instructions**
Position: 250
Loop: HL Mandatory
Level:
Usage: Optional
Max Use: 1
Purpose: To specify FOB information for customs purposes.
Notes: Used for international shipments only.
EXAMPLE: FOB~PP~~~~FOB~OR

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**FOB01**	**146**	**Shipment Method of Payment** Code identifying payment terms for transportation charges CC Collect PP Prepaid (by Seller)	**M ID 2/2**
M	**FOB05**	**335**	**Transportation Terms Code** Code identifying the trade terms which apply to the shipment transportation responsibility. Six digit codes represent INCOTERMS. Refer to 002002 Data Element Dictionary for acceptable code values.	**M ID 3/6**
M	**FOB06**	**309**	**Location Qualifier** Code identifying type of Location Identifier (310) used. DE Destination (Shipping) OR Origin (Shipping Point)	**M ID 1/2**

Segment: **N1** **Name**
Position: 260
Loop: N1 Optional
Level:
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Notes: The ship-from "SF" and ship-to "ST" segments are mandatory at the shipment level, and must be identical to those used in the corresponding 830 (Material Release) and 862 (Shipment Schedule) N1 segments. Used at item level by pools and consolidators to identify the original supplier ship-from code at any subsequent shipping point.

```
EXAMPLES:    N1~ST~~92~1602A
             N1~SF~~92~P5008
```

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**N101**	**98**	**Entity Identifier Code** Code identifying an organizational entity or a physical location. IC Intermediate Consignee SF Ship From ST Ship To SU Supplier/Manufacturer	**M ID 2/2**
M	**N103**	**66**	**Identification Code Qualifier** Code designating the system/method of code structure used for Identification Code (67) 92 Assigned by Buyer	**M ID 1/2**
M	**N104**	**67**	**Identification Code** Code identifying a party. If N101 - "ST", receiving plant. If N101 - "SF", ship-from location. If N101 - "SU", Supplier/Manufacturer If N101 - "IC", Intermediate Consignees	**M ID 5/5**

Segment: **CUR** **Currency**
Position: 350
Loop: HL Mandatory
Level:
Usage: Optional
Max Use: 1
Purpose: To specify the currency (dollars, pounds, francs, etc.) used in a transaction
Notes: Used for international shipments only.
EXAMPLE: CUR~SE~USD

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**CUR01**	**98**	**Entity Identifier Code** Code identifying an organizational entity or a physical location. SE Selling Party	**M**	**ID 2/2**
M	**CUR02**	**100**	**Currency Code** Code (Standard ISO) for country in whose currency the charges are specified	**M**	**ID 3/3**

Segment: **ITA** **Allowance, Charge or Service**
Position: 360
Loop: HL Mandatory
Level:
Usage: Optional
Max Use: 10
Purpose: To specify allowances, charges, or services
Notes: Used for international shipments only.
EXAMPLE: ITA~C~AX~HC~06~~~1260

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**ITA01**	**248**	**Allowance or Charge Indicator** Code which indicates an allowance or charge for the service specified C Charge	**M**	**ID 1/1**
	ITA02	**559**	**Agency Qualifier Code** Code identifying the agency assigning the code values used in data element 560. AX ANSI X12	**O**	**ID 2/2**
	ITA03	**560**	**Special Services Code** Code identifying the special service HC Handling Service	**C**	**ID 2/10**
M	**ITA04**	**331**	**Allowance or Charge Method of Handling Code** Code indicating method of handling for an allowance or charge 06 Charge to be Paid by Customer	**M**	**ID 2/2**
	ITA07	**360**	**Allowance or Charge Total Amount** Total dollar amount for the allowance or charge Handling charge total amount.	**C**	**N2 1/9**

Segment: **CTT** **Transaction Totals**
Position: 370
Loop:
Level:
Usage: Mandatory
Max Use: 1
Purpose: To transmit a hash total for a specific element in the transaction set
Notes: To provide the number of HL segments and the sum of the values in the SN102 elements.
EXAMPLE: CTT~14~9784530

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**CTT01**	**354**	**Number of Line Items** Total number of line items in the transaction set Number of HL segments.	**M N0 1/6**
M	**CTT02**	**347**	**Hash Total** Sum of values of the specific data element. All values in the data element will be summed without regard to decimal points (explicit or implicit) or signs. Truncation will occur on the leftmost digits if the sum is greater than the maximum size of the hash total of the data element. Example: -.0018 First occurrence of value being hashed. .18 Second occurrence of value being hashed. 1.8 Third occurrence of value being hashed. 18.01 Fourth occurrence of value being hashed. ------- 1855 Hash total prior to truncation. 855 Hash total after truncation to three digit field. Total of quantities from SN102's.	**M R 1/10**

Segment: **SE** **Transaction Set Trailer**
Position: 380
Loop:
Level:
Usage: Mandatory
Max Use: 1
Purpose: To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)
Notes: The number of included segments is the total of all segments used in the transaction set including the ST and SE segments.

The transaction set control number (SE02) in the trailer must match the transaction set control number in the transaction set header segment (ST02).
EXAMPLE: SE~56~0001

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**SE01**	**96**	**Number of Included Segments** Total number of segments included in a transaction set including ST and SE segments	**M N0 1/6**
M	**SE02**	**329**	**Transaction Set Control Number** Identifying control number assigned by the originator for a Transaction Set. Also see: Data Interchange Control Number (28.) Same as corresponding ST02.	**M AN 4/9**

Example

ST+856+0001’
BSN+00+38-11141963+020211+1530’
DTM+011+020211+1515’
HL+1++S’
MEA+PD+G+19+LB’
TD1+CTN90+1’
TD5+B+02+RDWY+LT’
TD3+TL+DCBA+7654321’
REF+BM+08081972’
REF+PK+08081972’
N1+ST++92+AF1CC’
N1+SF++92+AB1CD’
ITA+C+AX+HC+06+++1000’
HL+2+1+I’
LIN++BP+YG2Z 5412200 AAB’
SN1++1+EA+1’
PRF+05141985JMM’
REF+CO+850514'
HL+3+2+I'
LIN++RC+ZE21'
SN1++1+EA'
CTT+3+2'
SE+23+0001'